

Method, system, and program for a platform-independent, browser-based,
client-side, test automation facility for verifying Web site operation

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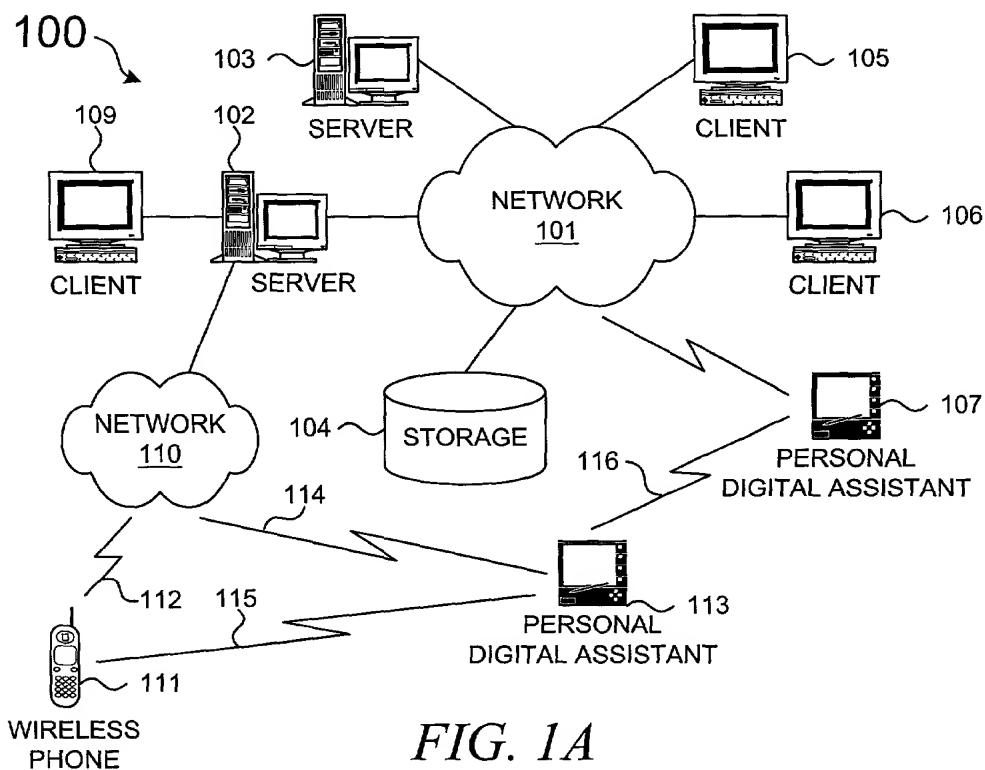


FIG. 1A
(PRIOR ART)

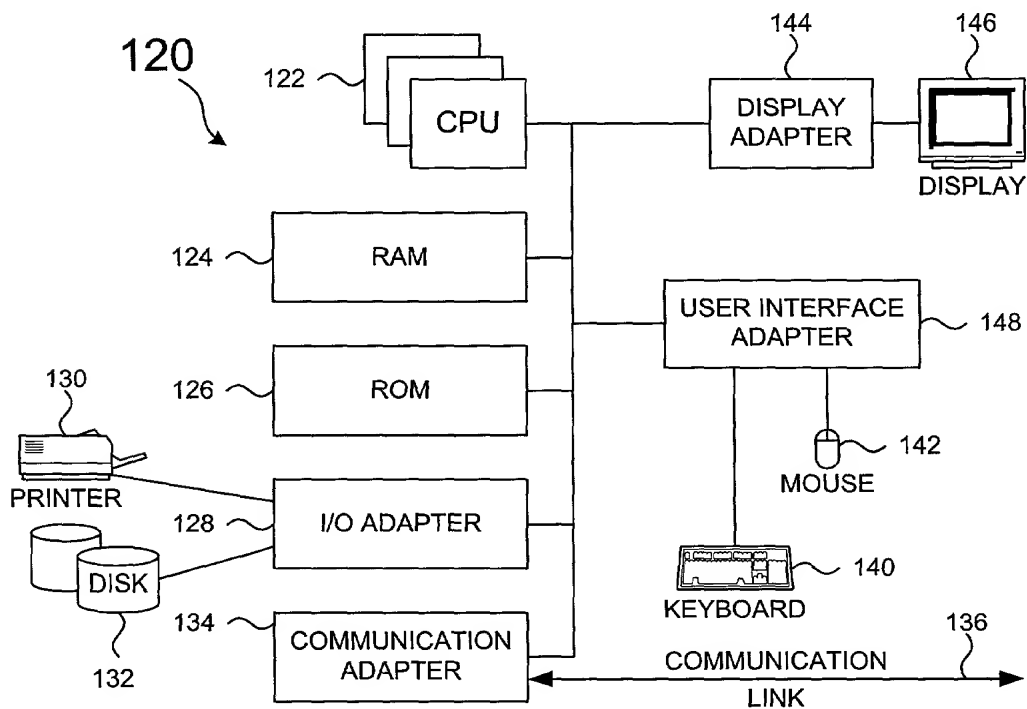


FIG. 1B
(PRIOR ART)

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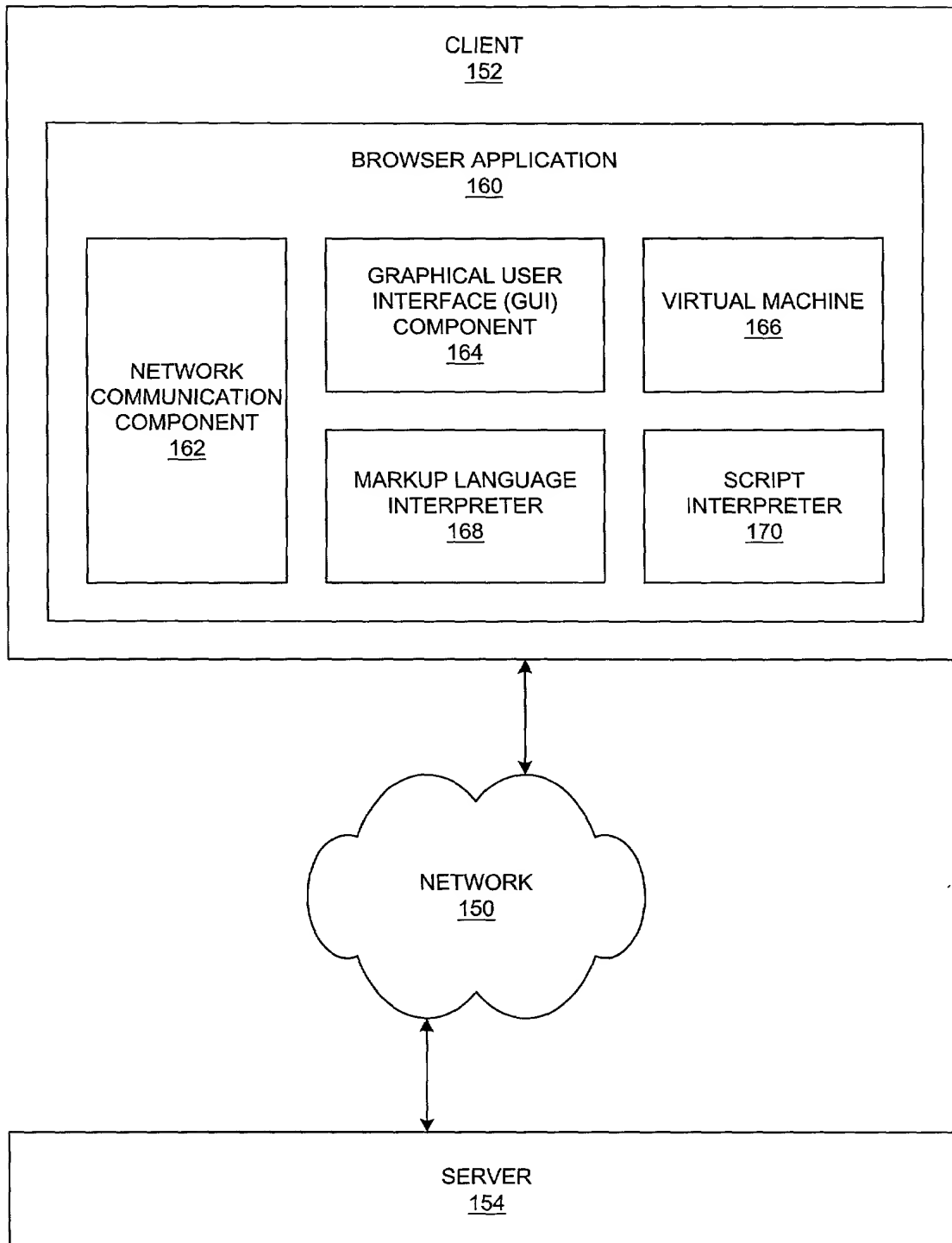


FIG. 1C
(PRIOR ART)

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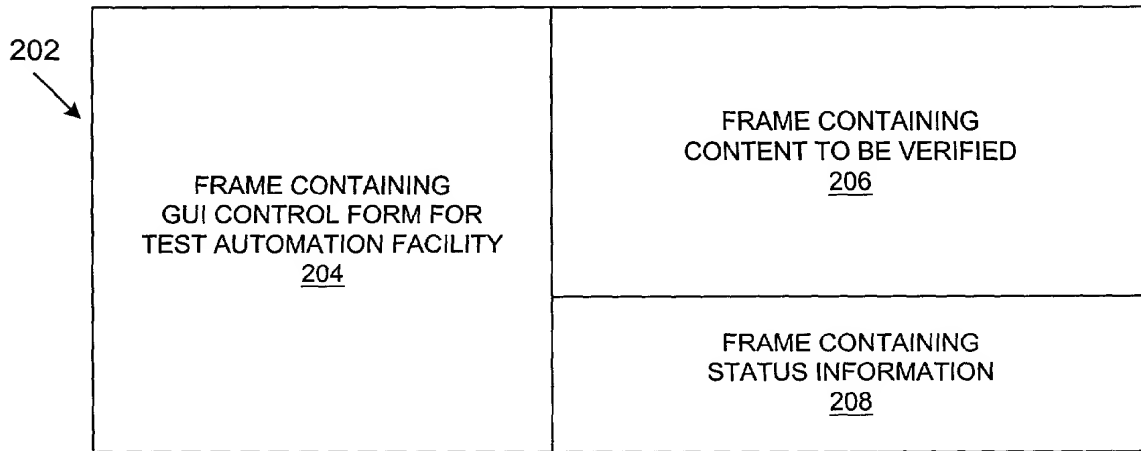


FIG. 2A

Browser Application [Icons]

File Edit View Tools Window Help

Back Forward Reload Home Search Print Stop } 212

Location: 214

TEST AUTOMATION FACILITY (228)

Duration: repetition count or seconds

☒ Repeat — 230 220

☐ Time — 232 234

Logging Level: ▼ 236

TESTPROC001

TESTPROC002

TESTPROC003

TESTPROC004

START TEST

STOP TEST

RESET FORM

RESET LOG

238 240
242 244

Monday, September 11, 2000

Welcome to MyWebTravel.com
Your travel destination on the Web

News Events Specials Weather

User ID:

Password:

250

09/11/00 09:27:03 Log initialized

260

210

FIG. 2B

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```

308 — <HTML> <HEAD><TITLE>TEST AUTOMATION FACILITY</TITLE>
      { <script src="global.js"></script>
306 { <script src="TESTPROC001.js"></script>
      <script src="TESTPROC002.js"></script>
      <script src="TESTPROC003.js"></script>
      <script src="TESTPROC004.js"></script>
310 — <script src="testmain.js"></script>
      </HEAD>
      <BODY bgcolor=white><base target="r_side">
      .
      .
      .
      <FORM name="navcontrol">
      .
      .
      .
      { <SELECT name="testURI" MULTIPLE>
304 { <OPTION value="TESTPROC001">TESTPROC001</OPTION>
      <OPTION value="TESTPROC002">TESTPROC002</OPTION>
      <OPTION value="TESTPROC003">TESTPROC003</OPTION>
      <OPTION value="TESTPROC004">TESTPROC004</OPTION>
      </SELECT>
      </FORM>
      .
      .
      .
      </BODY>
      </HTML>
      }

```

302

FIG. 3A

FIG. 3B 320 {
function brwsrlv () { ... }
function checkControls () { ... }
function logMsg (param1, param2) { ... }
function clearLog () { ... }

FIG. 3C 330 {
function startTest () { ... }
function resumeTest () { ... }
function timeToStop () { ... }
function stopTest (reason) { ... }

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```

function resumeTest( ) {
    .
    .
    .
    switch (document.navControl.testURI[nextTestCase].value)
    {
        .
        .
        .
        case 'TESTPROC001': — 342
            parent.r_side.location =
                "http://s1.abcccompany/project1test/XtremeXML/loginForXML.htm";
            break;
        default:
            break;
        .
        .
        .
    }
    .
    .
    .

```

FIG. 3D

```

<HTML><HEAD><TITLE>FLIGHT SCHEDULES</TITLE></HEAD>
<BODY bgcolor="#000000" LINK="red" VLINK="red"
    onLoad="parent.l_side.TESTPROC003( )" — 402
    .
    .
    .
</BODY>
</HTML>

```

FIG. 4A

```

function TESTPROC003( ) { — 410
    .
    .
    switch (parent.r_side.document.title) — 412
    {
        .
        .
        .
        case 'FLIGHT SCHEDULES': — 414
            .
            .
            else { parent.r_side.location = "resumeTest.htm"; } — 416
            break;
        .
        .
        .
    }
    .
    .
    .

```

FIG. 4B

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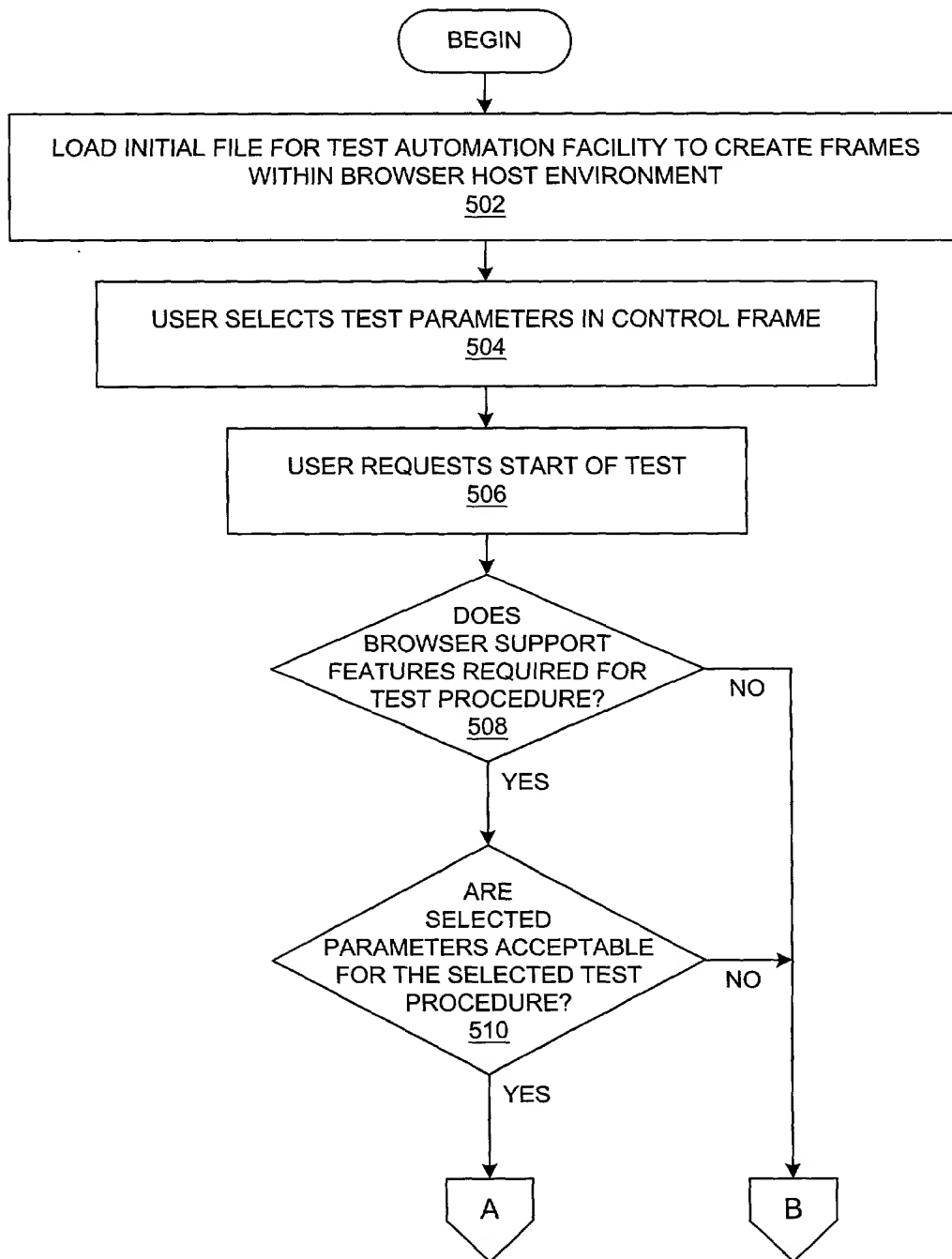


FIG. 5A

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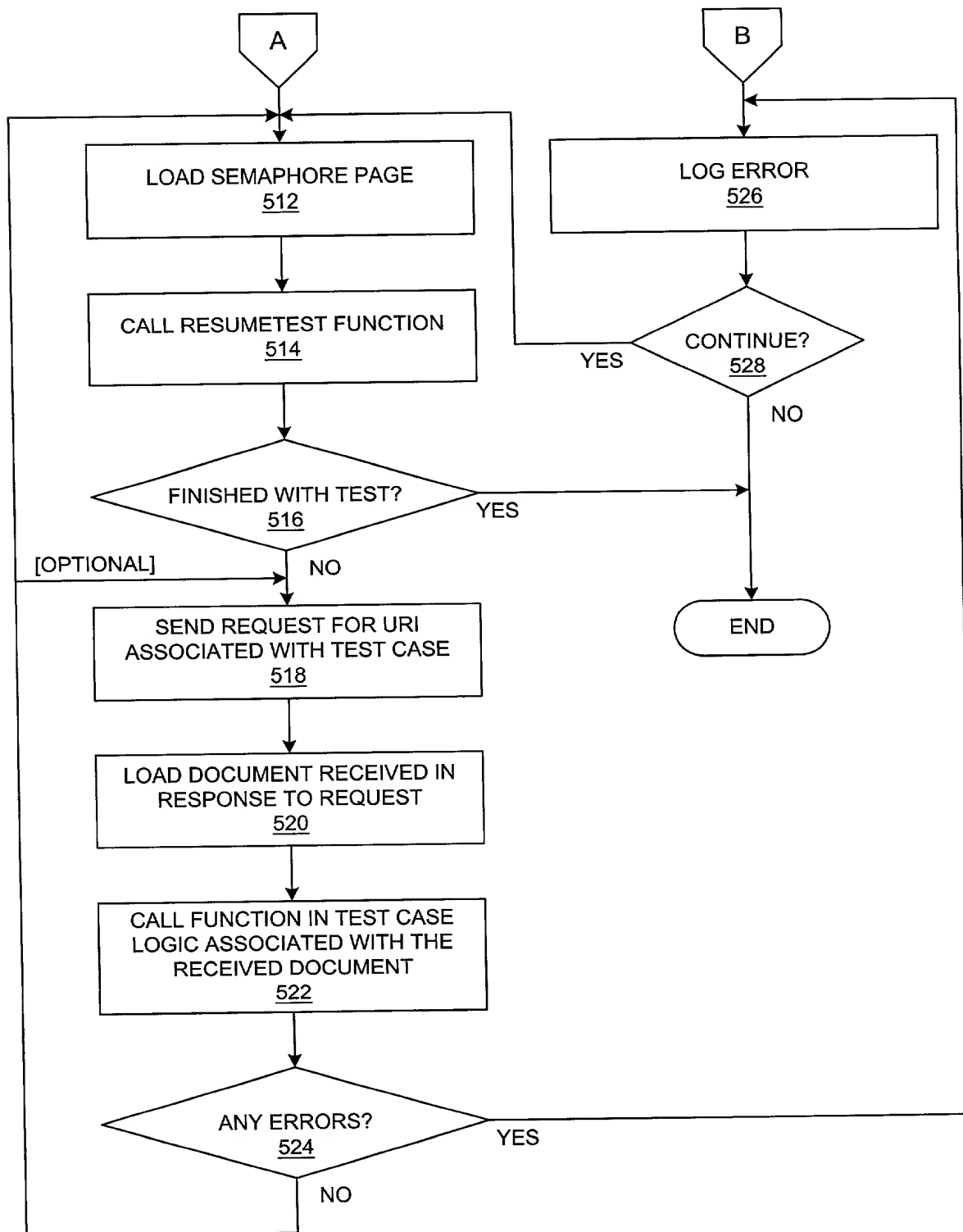


FIG. 5B